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PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

KELSALL et al.

Serial No. 09/196,867

Filed: November 20, 1998

For: METHODS OF USING CR3 AND CR4
LIGANDS FOR INHIBITING INTERLEUKIN-12
TO TREAT AUTOIMMUNE DISEASE



Group Art Unit: 1644

Examiner: Decloux, A.

DECLARATION UNDER 37 C.F.R. § 1.131 OF BRIAN L. KELSALL,

WARREN STROBER, THOMAS MARTH AND IVAN J. FUSS

BOX NON-FEE AMENDMENT

Assistant Commissioner for

Patents

Washington, D.C. 20231

NEEDLE & ROSENBERG, P.C.

Suite 1200, The Candler Building

127 Peachtree Street, N.E.

Atlanta, Georgia 30303-1811

Sir:

We, Brian L. Kelsall, Warren Strober, Thomas Marth and Ivan J. Fuss declare that:

1. We are the co-inventors named in the above-identified application and co-inventors of the subject matter described and claimed therein.
2. Prior to the June 2, 1997 publication date of the Marth and Kelsall reference, we had conceived and reduced to practice the invention described and claimed in the subject application in this country, as evidenced by the following:

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We conceived and reduced the invention to practice in the Mucosal Immunity Section of the Laboratory for Clinical Investigation of the National Institute for Allergy and Infectious Diseases of the National Institutes of Health, USA, as shown in Exhibit A, attached. Specifically, Exhibit A is a document that we submitted with our Employee Invention Report to the Office of Technology Transfer of the National Institutes of Health prior to June 2, 1997. This document (with irrelevant text blanked out) describes experiments conducted in our laboratories and data from these studies which demonstrate the downregulation of IL-12 production by administration of a ligand of CR3 in both an animal model of septic shock and in an animal model of autoimmune disease.

3. We further declare that all statements made herein of our own knowledge are true, and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or document or any patent issuing therefrom.

11/25/0011/27/00

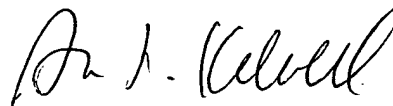
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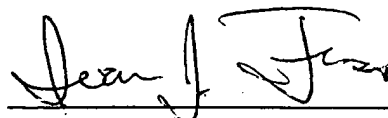
DATE



BRIAN L. KELSALL



WARREN STROBER

THOMAS MARTH

IVAN J. FUSS